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Change Number	Change Date	Documents Affected	Location In Design Document	Description of Problem	Correction Description
1	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Wildland Module Edit Requirements, page 90.	Meridian, Area Type and Wildland Fire Cause fields have incorrect field type X.	Changed all three fields to type C (coded).
2	01/20/99	SPEC-TABLE.XLS, Design Documentation.	EMS Edit Requirements, page 84.	Witnessed and Bystander fields were incorrectly listed as fields rather than as codes under the Pre-Arrival Arrest Details field. Field names did not match Data Dictionary. Cardiac Arrest relational edit referred incorrectly to Provider Impression code 06 rather than 16.	Field names were changed to Cardiac Arrest and Pre-Arrival Arrest Details to match the Data Dictionary fields. Witnessed and Bystander fields were deleted as these are codes under the latter field (see Data Dictionary). Changed Provider Impression code from 06 to 16 under the Cardiac Arrest field cross edits column and added the same edit to the Pre-Arrival Arrest Details cross edits column.
3	01/20/99	SPEC-TABLE.XLS, Design Documentation.	EMS Edit Requirements, pages 83-84.	Body Site, Injury Type Cross-Edits referred to "Valid Codes, A" in the acceptable conditions column when it should have just said "Valid Codes".	Meaningless references to an acceptable condition of "A" were removed.
4	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Fire Module Edit Requirements, pages 75-76.	Mobile Property, Block H Fire Module fields had meaningless notes in the cross edits column	Removed notes for Block H fields.
5	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Structure Fire Module Edit Requirements, page 77.	Material Contributing Most to Flame Spread, Detectors and Automatic Extinguishing Systems fields, Block K, L and M in Structure Fire Module had meaningless notes in the cross edits column	Removed notes for Blocks K, L and M fields.
6	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Arson Module Relation Edit 152, page 105.	Relational Edit 152 incorrectly excluded entry of age in block M2	Corrected Relational edit to allow entry of Age (Block M2)

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7	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Fire Module Data Dictionary, Fire Cause, page 171.	The "0 Fire cause, other" code was incorrectly labeled "conversion only" since this code is also the only valid fire cause for exposure fires.	Conversion only reference removed. Now this code may only used for conversion or when the incident is an exposure fire
8	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Incident Flat File Transfer Format, Hazardous Material Chemical Transaction, Page 149.	The length of the Chemical Name field was too short at 25 characters.	The Chemical name field length was changed to 50 characters.
9	01/20/99	SPEC-TABLE.XLS, Design Documentation.	Wildland Fire Module Relation Edit 39, page 100.	Edit referred to old, incorrect incident types no longer valid in system	Edit was changed to: "This module must be present if the Incident Type is 100 series, except 140-143, 160, 170-173, 561, 631-632 when the Wildland Module is used."
10	01/20/99	Paper forms, Design Documentation.	Paper form for Fire Module, Block C, On Site Materials.	The on-form instruction for the On-Site Material Use checkbox was incorrectly stating that multiple checkboxes could be selected for each on-site material coded.	The instruction was changed to say "Check one box for each code entered"
11	01/21/99	Paper forms, Design Documentation.	Paper form for Structure Fire Module, Block I3, Building Height	The on-form Instruction for Block I3 and J3 were inconsistently stated even though they are the same.	The Instruction for Block I3, Building Height was changed to : "Count the roof as part of the highest story".
12	01/22/99	SPEC-TABLE.XLS, Design Documentation.	Paper form for Structure Fire Module, Block M4, Number of Operating Sprinkler heads.	The Form was truncating part of the element name	Corrected Block M4 title to" Number of Operating Sprinkler Heads"
13	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Relational Edits. Page 105.	A Relational Edit dealing with Fire Service Casualties was missing from the documentation.	Relational Edit 155 was added which states: A critical error is generated for ALL incident types if the number of Fire Service Casualty Forms filled out does not equal the number of Fire Service Injuries and Deaths reported on the Basic Module.

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14	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Relational Edits. Page 105.	A Relational Edit dealing with Civilian Casualties was missing from the documentation.	Relational Edit 156 was added which states: If the number of Civilian Fire Casualty Forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module AND the incident is a fire incident AND no HazMat or EMS is involved THEN a critical error is generated.
15	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Relational Edits. Page 105.	A Relational Edit dealing with Civilian Casualties was missing from the documentation.	Relational Edit 157 was added which states: If the number of Civilian Fire Casualty Forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module plus the casualty totals reported on the HazMat form AND the incident is a fire incident AND the HazMat module is present AND the EMS module is not present THEN a critical error is generated.

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16	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Relational Edits. Page 105.	A Relational Edit dealing with Civilian Casualties was missing from the documentation.	Relational Edit 158 was added which states: [If the number of Civilian Fire Casualty Forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module and the incident is a fire incident and the EMS module is present] (OR) [If the number of Civilian Fire Casualty Forms filled out plus the number of EMS forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module and the incident is a fire incident and the EMS module is present] (THEN) A critical error is generated

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17	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Relational Edits. Page 105.	A Relational Edit dealing with Civilian Casualties was missing from the documentation.	Relational Edit 159 was added which states: [If the number of Civilian Fire Casualty Forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module plus the totals reported on the HazMat form AND the incident is a fire incident AND the HazMat module is present AND the EMS module is present] OR [If the number of Civilian Fire Casualty Forms filled out plus the number of EMS forms filled out does not equal the number of Civilian Injuries and Deaths reported on the Basic Module plus the totals reported on the HazMat form AND the incident is a fire incident AND the HazMat module is present AND the EMS module is present] THEN A critical error is generated
18	02/03/99	SPEC-TABLE.XLS, Design Documentation.	Edit Requirements, Page 67, Basic Module, Block E1, Controlled Date and Controlled Time fields.	Edit was not clear that incident Types 561, 631 and 632 were also valid Incident Types for completion of these fields.	Modified the two edit entries to include Incident Types 561, 631, 632.
19	02/03/99	SPEC-TABLE.XLS, Design Documentation, Quick Reference Guide (QRG).	Data Dictionary, Basic Module, Page 162, QRG page 15.	Code Definitions for the Detector field were missing from the Data Dictionary	Added codes and definitions for the Detector field: 1 Detector alerted occupants, 2, Detector did not alert occupants, U Unknown.
20	02/03/99	SPEC-TABLE.XLS, Design Documentation, Paper Forms.	Basic Module Paper Form and Design Documentation Basic Module Form, Block H2, Detector.	Detector is a coded field with 3 codes but only had one checkbox entry on the Basic Module paper form.	Added checkboxes and codes and definitions to the Basic Module paper form to reflect the codes in change #19

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21	02/03/99	SPEC-TABLE.XLS, Paper Forms.	Data Dictionary Spreadsheet, EMS Module, EMS Paper Form and EMS Paper Form in Design Documentation. Block I, Procedures Used.	Codes 1-9 were missing leading zeroes for this 2 digit field. The Data Dictionary is correct in the Design Documentation but the forms and the Spec-tables.xls file were affected	Added leading zeroes to codes 01-09 for EMS Procedures Used
22	02/05/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edits, page 104.	Relational Edits 125 and 126 incorrectly stated that Pre-Arrival Arrest and Post Arrival arrest are not mutually exclusive. They are.	Relational Edits rules 125 and 126 were modified to indicate that Pre-Arrival Arrest and Post Arrival arrest are mutually exclusive.
23	02/05/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edits, page 100.	Relational Edit 38 did not indicate that incident types 160 and 170-173 were also valid incident types for Wildland incidents. Also it did not make clear for which incident types the fire or Wildland module is a valid option.	The edit was revised to read: If the Incident Type is 140-143 or 160, 170-173 then either the Fire module or the Wildland module is required. One of the two must be completed. If the Incident Type is 561, 631 or 632 the Fire Module is not allowed but the Wildland Module may be optionally completed in addition to the Basic Module for these incidents.
24	02/05/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edits, page 100.	Relational Edit 39 did not indicate that incident types 113-118 do not require the completion of the fire module. Improved clarity for this rule was needed.	The edit was revised to read: This module must be present if the Incident Type is 100 series, except for Incident Types 113-118. When the Incident type is 140-143, 160, 170-173, 561, 631-632 then the Wildland Module may be used instead of the Fire Module.
25	02/05/99	Paper forms, Design Documentation, Quick Reference Guide (QRG).	Basic Module Paper Form and Design Documentation Basic Module Form, Block H2, Detector. QRG page 15.	The instruction on the Basic Module paper form for Detector needed to be modified so that it reflected added checkboxes. See change #20 above.	Changed instruction to: "Required for confined fires".

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26	02/05/99	Paper forms, Design Documentation.	Basic Module Paper Form and Design Documentation Basic Module Form, Block B, Location.	The instruction on the Basic Module paper form for the Alternate Location Checkbox needed to be modified so that it clarified when this option is allowable.	Changed instruction to add the sentence: "Use only for Wildland fires".
27	02/09/99	SPEC-TABLE.XLS, Design Documentation, Quick Reference Guide (QRG).	Design Documentation, Data Dictionary, Fire and Civilian Fire Casualty modules, Area of Fire Origin and Specific Location at Time of Injury, page 168. QRG page 27	Code 57, Confined chimney fire, will never be reached in the system since confined fires only require the basic form be completed (incident types 113-118).	Deleted code 57 from the Area of Fire Origin and Specific Location at Time of Injury elements (both elements use the same codes and descriptors)
28	02/09/99	SPEC-TABLE.XLS, Design Documentation, Quick Reference Guide (QRG).	Design Documentation, Data Dictionary, Fire Module, On-site materials, page 166. QRG page 24.	Code 420, Rope, twine, cordage, should be code 421 since decade code levels are reserved for "other" categories.	Renumbered code 420 to 421. The descriptor remains unchanged.
29	02/12/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Fire Transaction, Element #17, Confined to Origin, page 139.	The Confined to Origin field is a type "C" coded field but the Flat File layout has it listed incorrectly as type "Y".	Changed the field type for the Confined to Origin field from type "Y" to Type "C". This field is a subset of the Flame Spread field codes and the value should always be "1" if true. See Flame Spread in the Data Dictionary.
30	02/12/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Wildland Fire Transaction, Element #16, Confined to Origin, page 142.	The Meridian field is a type "C" coded field but the Flat File layout has it listed incorrectly as type "N".	Changed the field type for the Meridian field from type "N" to Type "C". See Meridian in the Data Dictionary.
31	02/12/99	Paper forms, Design Documentation.	Paper Forms, Wildland Module, Block H, Weather Information.	The on-form instruction for Block H is inconsistent with the system edits.	Removed Block H instruction note from the Wildland paper form.

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32	02/17/99	Quick Reference Guide (QRG).	QRG page 15, Block H1, Casualties.	The instruction in the QRG for entering Civilian Casualty totals incorrectly stated that a Civilian Fire Casualty module should be completed for each casualty entered. The instruction should have specified completion of the module for civilian fire casualties only.	Changed the instruction to state that a Civilian Fire Casualty module should be completed for each fire casualty.
33	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, EMS Transaction, Element #12, Age, page 147.	The Size of the EMS age field was incorrectly listed as 3.3 instead of 3.2 length.	The size of the age field was corrected to a length of 3.2.
34	03/09/99	Design Documentation	Design Documentation, Figure 3-19, Basic Module Logic Flow, page 45.	The note stating that "If > 0, HazMat Module Required" has a typo. The ">" should be a "=".	The note was changed to read: "If = 0, HazMat Module Required"
35	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, page 105.	A relational edit on populating the Basic Module resource fields when the Personnel or Apparatus Module is used is listed in the base edits but was missing from the Relational Edits.	Added the relational edit: "If Apparatus or Personnel Module used, populate the Block G1 Resources fields on the Basic Module with the totals from the Apparatus or Personnel Module fields".
36	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, page 105.	A relational edit to post a validation warning for incidents with the Basic Module Estimated Dollar losses for content losses or property losses that are greater than $500,000 was missing.	Added the relational edit: "If Incident Type = 1xx (fire) then generate a validation warning if either the Property or the Contents Dollar Loss value is greater than $500,000".
37	03/09/99	SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Basic Module Block H System Module Flags.	One of the system module flags was listed incorrectly as "EMS Module" when it should have been "Arson Module".	Changed EMS Module to "Arson Module".

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38	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block B3, Acres Burned, Page 73.	The comment conflicted with relational Edit 43 and was incorrect.	The comment for Acres Burned None/less than 1 acre was removed.
39	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block D3, Confined to Object of Origin, Page 73.	The Confined to Object of Origin Element was incorrectly listed as "System" field when it should have been a Data field.	Changed the Element Type of the Confined to Object of Origin field to "D" from "S".
40	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E1, Cause of Ignition, Page 74.	The Cross Fields note referring to R & S was incorrect.	The cross fields note was deleted.
41	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E2, Factors Contributing to Ignition, Page 74.	Element Types (S & D) were switched for the Factor Contributing/None flag field and the Factor Contributing to ignition #1 field.	The Factor Contributing/None flag field was changed to Element Type S and the Factor Contributing to ignition #1 field was changed to type D.
42	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E2, Factors Contributing to Ignition, Page 74.	The note for Factors Contributing to Ignition #1 was incorrect. Exposure fire is code 71 not code 61 as stated (which is "high wind").	The Factor Contributing to ignition #1 field note was modified to correct the error "Code = 61" to "Code = 71".
43	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E2, Factors Contributing to Ignition, Page 74.	The note for Factors Contributing to Ignition #2 was incorrect. If an exposure fire, the second Factor Contributing to Ignition should always be blank.	The Factor Contributing to ignition #2 field note was modified to reflect that if Exposure > 0 then this field should be blank.
44	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E3, Human Factors Contributing to Ignition None Flag, Page 74.	This entry is not a flag, "None" is an acceptable value for this element and the note for Human Factors Contributing to Ignition None Flag was incorrect.	Deleted the reference to "flag", changed the Acceptable Values to "N" and deleted the note.

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45	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block E3, Human Factors Contributing to Ignition Sex of Person Involved, Page 74.	The acceptable conditions for this field was redundant with the entry in the data dictionary.	The Acceptable Conditions for this field was changed to "Valid Code" for the sake of clarity.
46	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block H1, Mobile Property None Flag, Page 75.	The Mobile Property None Flag was incorrectly shown as a data field and not a system flag.	The element type was changed from "D" to "S" and a note added.
47	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Module Block H1, Mobile Property None Flag, Page 75.	The Mobile Property None Flag was incorrectly shown as a Y/N field and not a Coded field.	The Field Type was changed from "Y" to "C" and the "T or F" comment removed from the Acceptable Conditions column.
48	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Structure Fire Module, Page 76.	Acceptable Conditions for the Structure Fire Module did not include Structure Type code "2" (Portable, mobile structure).	Changed the Acceptable Conditions for the Structure Fire Module to include Structure Type code "2" (Portable, mobile structure).
49	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Structure Fire Module, Block L1, Presence of Detectors, Page 77.	Acceptable Conditions was inconsistent with the data dictionary entry.	Changed the Acceptable Conditions to be consistent with the data dictionary (Codes 1,N,U).
50	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Civilian Fire Casualty Module, Block E2, Ethnicity, Page 78.	Acceptable Conditions should have been "Valid Code".	Changed the Acceptable Conditions to "Valid Code" to be consistent.
51	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Civilian Fire Casualty Module, Block P, Disposition, Page 80.	Acceptable Conditions should have been "Valid Code".	Changed the Acceptable Conditions to "Valid Code" to be consistent.
52	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Civilian Fire Casualty Module, Block P, Disposition, Page 80.	The Notes column entry made no sense.	The note was deleted.

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53	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Service Casualty Module, Block J2, Stories or Floor Where Injury Occurred, Page 81.	The Notes column entry referred to a document that no longer exists.	The note was deleted.
54	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block G1, Human Factors, None, Page 83.	The Element Type should have been "D" and the Field Type should have been "N".	The Element Type was changed to "D" and the Field Type to "N".
55	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block G2, Other Factors, Page 83.	Other factors was inconsistent with coded field entries, having multiple line entries for codes, and did not include "None" as a choice.	Made "Other Factors" a one line entry consistent with other coded fields.
56	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block H1, Body Site, Page 83.	Reference to "Tables" in the Cross Fields column was meaningless.	Removed reference to "Tables" from the Cross Fields column.
57	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block K, Initial Arrest Rhythm, Page 84.	Acceptable Values column listed code "O" instead of code "0"	Changed Acceptable Values column to "Valid Code".
58	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block J, Safety Equipment, Page 84.	Acceptable Values column listed code "O" instead of code "0" for the "Other" code. Codes were listed separately (incorrectly) in the edits but were also in the data dictionary.	Changed Acceptable Values column to "Valid Code". Removed listing of separate codes which were incorrect and were already in the data dictionary.
59	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block I, Procedures Used, Page 84.	Acceptable Values column listed code "O" instead of code "0" for the "Other" code. Codes were listed separately (incorrectly) in the edits but were also in the data dictionary.	Changed Acceptable Values column to "Valid Code". Removed listing of separate codes which were incorrect and were already in the data dictionary.

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60	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, EMS Module, Block M, Pulse on Transfer, Page 86.	Codes listed in Acceptable Values column were not correct.	Changed Acceptable Values column to "1, 2".
61	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block B, Name of Chemical, Page 86.	Edit did not reflect the fact that the chemical name can be directly entered if it does not exist in the table .	Added a note and a new line in the edits for a text chemical name, length 50, type X.
62	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block E2, Released Into, Page 87.	The name of the element was incorrect in the edit.	Changed name of element from "Released Into Air" to "Released Into".
63	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block F1, Released From, Page 87.	The Release (inside/outside) entry was incorrect and was not consistent with the current data dictionary.	Deleted the Release (inside/outside) edit line.
64	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block F1, Story of Release, Page 87.	The "inside flag" referred to in this edit is incorrect and does not exist.	Deleted the references to "inside flag".
65	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block F1, Below Grade, Page 87.	The Below Grade entry was incorrect and was not consistent with the current data dictionary.	Deleted the Below Grade edit line.
66	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block G1, Area Affected, Page 87.	A comment was needed that if Area Affected is set to zeroes then the Area Affected Units should be set to Square feet in order to be consistent with the rules for Area Evacuated.	Added the comment: "If Zero is marked then AREA AFFECTED UNITS is set to Sq. Feet (1)".

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67	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block G2, Area Evacuated, Page 87.	A note was needed that if the Area Evacuated was "None" then the G2 and G3 blocks should be set to zero and disabled.	Revised the comment to read: "If NONE is marked then AREA EVACUATED is set to zero (0) and AREA EVACUATED UNITS is set to Sq. Feet (1). Number of People Evacuated and Number of Buildings evacuated should be set to zero as well".
68	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block K, Factors Contributing to Release, Page 88.	The references here to a "K flag" were meaningless.	Removed the references to "K flag".
69	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block M, No Equipment Involved in Release Flag, Page 88.	This flag is a "system" Element Type but was incorrectly marked as a "data" type.	Changed the Element Type to "S", changed the default to "Blank" and expanded the note.
70	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, HazMat Module, Block N, Mobile Property None Flag, Page 88.	This flag is a "system" Element Type but was incorrectly marked as a "data" type.	Changed the Element Type to "S", changed the default to "Blank" and expanded the note.
71	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Is this a Wildland Fire Flag, Page 89.	This flag does not exist.	Removed this entry.
72	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block B Township, Range, Section, Pages 89, 90.	References to "N" in the Acceptable Conditions column for these three elements were meaningless.	Removed the three references to Acceptable Condition of "N".

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73	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block D2, Human Factors, Page 90.	This entry is not a flag, "None" is an acceptable value for this element and the note for Human Factors Contributing to Ignition None Flag was incorrect.	Deleted the reference to "flag", changed the Acceptable Values to "N" and deleted the note.
74	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block D3, Factors Contributing to Ignition, Page 90.	The reference to a "Factor Contributing Flag" was incorrect.	Deleted reference to "Factor Contributing Flag" in the note.
75	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block D3, Factors Contributing to Ignition #1 and #2, Page 90.	The references to a "Factor Contributing Flag" for the two elements was incorrect.	Deleted reference to "Factor Contributing Flag" in the two notes.
76	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block D4, Suppression Flag, Page 90.	There was an incorrect reference to a non-existent "Suppression Flag".	Deleted the entry for "Suppression Flag".
77	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block D4, Fire Suppression Factor #1, #2, Page 90.	Factor #1 and Factor #2 should have been Fire Suppression Factor #1 and Fire Suppression Factor #2.	Changed Factor #1 and Factor #2 to Fire Suppression Factor #1 and Fire Suppression Factor #2.
78	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block H, Temperature, Page 91.	Temperature range in the Acceptable Values column was too restrictive.	Removed the reference to a specific temperature range of -50 to 120 from the Acceptable Values column.
79	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Wildland Module, Block L1, Person Responsible for Fire, Page 92.	Reference to Y2, Y3 and Y4 in the Cross Fields column was incorrect. The form blocks had been re-lettered but this was not reflected in the edit.	Changed Y2, Y3, Y4 to L2, L3 L4 in Cross Fields column.

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80	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Personnel Module, Block B, Name, Page 95.	Field Length was incorrect.	Changed field length to 41 and added a note to indicate that the 41 characters are a combination of the First, Middle, Last Name fields totaling 41 characters in size.
81	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Arson Module, Page 95.	Note for "Arson Module" line was incorrect.	Deleted note.
82	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, FDID, Page 97.	Acceptable Values of "last three positions must be numeric" was too restrictive.	Changed Acceptable Values to "Alphanumeric".
83	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, State Code, Page 97.	Acceptable Values of "Numeric" was incorrect.	Changed Acceptable Values to "Valid Code".
84	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File transfer Format, Fire Department Header Transaction, Element #16, FIPS County Code, Page 154.	Field length of 4 was incorrect.	Changed field length to 3.
85	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, FIPS County Name, Page 97.	Reference to element that does not exist in NFIRS 5.0	Deleted Reference to FIPS County Name.
86	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, Square Miles, Page 97.	Reference to element that does not exist in NFIRS 5.0	Deleted Reference to Square Miles.

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87	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, Population Density, Page 97.	Reference to element that does not exist in NFIRS 5.0	Deleted Reference to Population Density.
88	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Department Identification Record, Population Protected, Page 97.	Reference to element that does not exist in NFIRS 5.0	Deleted Reference to Population Protected.
89	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Basic Module, Wildland Address Elsewhere Flag, Page 66.	Element Type should have been "D" not "S".	Changed Element Type to "D".
90	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Basic Module, Resource Form Use Flag, Page 68.	Element Type should have been "D" not "S".	Changed Element Type to "D".
91	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Civilian Fire Casualty Module, Contributing Factors - None, Page 79.	Element Type should have been "D" not "S".	Changed Element Type to "D".
92	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Edit Requirements, Fire Service Casualty Module, Object Involved in Injury - None, Page 81.	Element Type should have been "D" not "S".	Changed Element Type to "D".

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93	03/09/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edit 38, Page 100.	The Fire Module is optional for outside rubbish fires (incident types 150-155) but this was not reflected in the relational edit that determines when the module is required.	Relational edit 38 was modified to read: "This module must be present if the Incident Type is 100 series, except for Incident Types 113-118 and Incident types 150-155. When the Incident type is 140-143, 160, 170-173, 561, 631-632 then the Wildland Module may be used instead of the Fire Module".
94	03/09/99	Design Documentation, Paper Forms.	Paper Forms, Basic Module.	The revision date on the Basic form said 02/05/98 when it should have said 02/05/99.	Changed the revision date on the Basic form to 02/05/99.
95	03/11/99	Design Documentation, Paper Forms.	Paper Forms, Basic Module, Block L form instruction.	The instruction, "Fire Module Required?", was missing Crop Fires 170-173 and the incident type series for outside rubbish and Special outside fires was missing the "other" incident types from the range.	Changed the instruction for "Fire Module Required?" to add Crop Fires 170-173 and the "other incident type category for outside rubbish and special outside fires.
96	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Data Dictionary, Wildland Module, Subsection, Page 100.	The data dictionary was missing the Subsection field codes.	Added Wildland Subsection field codes to the data dictionary (see revised Spec_Tables.xls).
97	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Data Dictionary, Basic Module, Name Prefix, Name Suffix, Page 164.	The data dictionary was missing the field codes for Name Prefix and Name Suffix.	Added Name Prefix and Name Suffix field codes to the data dictionary (see revised Spec_Tables.xls).
98	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Data Dictionary, Basic Module, Name Prefix, Name Suffix, Page 164.	The data dictionary was missing the field codes for Name Prefix and Name Suffix.	Added Name Prefix and Name Suffix field codes to the data dictionary (see revised Spec_Tables.xls).

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99	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Hazardous Materials Transaction (1700), Field 8, Page 148.	The Released From field was not designated as a multiple choice field.	Added a comment that the Released From field was "MC (max of 2)".
100	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, Page 105.	The documentation was missing an edit to preclude a choice of both codes 2 and 3 in the Released From Field in the HazMat Module.	Added relational edit 162 which states: "HazMat Released From field choices 2 and 3 are mutually exclusive. Only one of these two codes may be chosen for an incident".
101	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Incident Personnel Transaction (1810), Rank (field 14), Page 151.	The Rank field length was incorrect in the documentation at 6 when it should be a length of 10.	Changed the Rank field to a length of 10 for the specified transaction.
102	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Arson Agency Referral Transaction (1910), Agency Case Number (field 19), Page 152.	Arson Agency Case Number should have been Type X field to allow non numeric entries for case numbers	Changed the Arson Agency Case Number field from type N to type X.
104	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits 17 & 18, Page 99.	Relational Edits 17 and 18 were too restrictive.	Modified relational edits 17 and 18 by changing Actions Taken from "11" to "1x" in both edits.
105	04/02/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edit 20, Page 99.	Relational Edits 20 was too restrictive and did not include citizen complaints.	Modified relational edit 20 to change Incident Type from "90x" to "9xx".
106	04/02/99	SPEC_TABLES.XLS.	Spec Tables Data Dictionary, Wildland Module, Activity of Person field.	Codes 01-09 were missing the leading zeros in this two digit field (affects the Excel Data Dictionary only).	Added leading zeroes to the data dictionary field for codes 01-09.

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107	04/02/99	SPEC_TABLES.XLS.	Spec Tables Data Dictionary, Disposition fields for Civilian Fire Casualty Module, EMS Module	Both fields were labeled "Disposition". While not a problem in the Design Documentation, this can be confusing in the Excel Spreadsheet Data Dictionary	Labels for the two "Disposition" fields were expanded to distinguish the two.
108	04/03/99	Design Documentation, SPEC_TABLES.XLS.	Data Dictionary, Civilian Fire Casualty, Fire Service Casualty, Primary Apparent Symptom Field, pages 183 and 187.	The same set of codes for Primary Apparent Symptom were listed under two different modules. In addition the field entry for the Excel Spreadsheet Data Dictionary under the Civilian Fire Casualty Module was missing leading zeroes from codes 01-03 (Excel Spreadsheet tables only).	Changed the Data Dictionary to reference the Apparent Symptom codes for the same data element in the Civilian Fire Casualty Module section and added leading zeroes to codes 01-03.
109	04/16/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Fire Transaction (1100), Not Residential Flag (field 9), Page 139.	The "Not Residential Flag" field was missing from the Incident Flat File Transfer Layout Record Type 1100. It should have followed the "Number of Residential Units" field.	Added the "Not Residential Flag" field to the Incident Flat File Transfer Layout (record Type 1100) as field 9 and renumbered the remaining fields.
110	04/29/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, Page 105. Edits 155, 158, 159	EMS records may exist for the same casualty also documented in either the Civilian Fire Casualty Module or the Fire Service Casualty Module. In these cases, the sum of the casualty records for those modules may exceed the total count of casualties on the Basic Module but should only generate a warning and not a critical error.	Modified Relational Edits 155, 158, 159 to only generate a warning when EMS casualties are present and the sum of EMS records and Civilian Fire and/or Fire Service Casualties exceed the casualty counts on the Basic Module.

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111	04/29/99	Paper Forms	EMS Form Revision Date	The Revision Date on the EMS form said 02/03/98 when it should have said 02/03/99.	Modified the EMS Paper Form Revision Date to 02/03/99
112	04/29/99	Paper Forms	HazMat Form Block N, DOT/ICC Number	The DOT/ICC Number field was 11 positions in length instead of 17 positions as documented in the transaction file layout.	Changed the size of the DOT/ICC Number field on the form to 17 positions in length to match the transaction file and database sizes.
113	04/30/99	Design Documentation	Conversion Table, HazMat Module, Level of Release, page 299	Level of Release Code "00" should convert to blank and not to "UU" since "story of Release in NFIRS 5. is a numeric field.	Modified the conversion of HazMat 4.1 Level of Release Code "00" to "UU" to "00" to "Blank" in NFIRS 5.0 Story of Release.
114	05/05/99	Design Documentation, SPEC_TABLES.XLS.	Edit Requirements	The Name Suffix field was listed as a length of 3 for Person/Entity Involved and Owner blocks on the Basic Module, for the Civilian Fire Casualty Name and for the Fire Service Casualty Name Blocks in the Edit Requirements. It was listed as length 4 elsewhere in the documentation creating an apparent conflict.	Changed the length of the Name Suffix field from 3 to 4 globally in the Edit Requirements. Globally renamed "Mr. Mrs. Ms." to "Name Prefix" in the edit requirements field name.
115	05/05/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Data Dictionary, Basic Module, Name Prefix, Name Suffix, Page 164.	The Data Dictionary Name Suffix entry listed the codes "Junior" and "Senior" when they should have been listed as "Jr" and "Sr" respectively.	Changed the code values of "Junior" and "Senior" for the Name Suffix field to "Jr" and "Sr".
116	05/05/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Structure Fire Transaction (1200), No Flame Spread Flag (field 21), Page 142.	The "No Flame Spread Flag" field was incorrectly listed as a coded field in Transfer Layout Record Type 1200 instead of a Y/N flag as it should be.	Changed the No Flame Spread Flag from a coded field to a Boolean Y/N field with a length of 1.

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117	05/06/99	Design Documentation, SPEC_TABLES.XLS, Paper Forms.	Design Documentation, Data Dictionary, HazMat Module, Block F1, Released From field, Page 232.	The Story of Release field will directly carry a negative number so the below grade code (code 1) is not needed.	Removed code '1 Below grade' from the data dictionary and renumbered the remaining two codes. Renumbered the paper form codes and removed the number from the below grade box on the paper form.
118	05/06/99	Design Documentation, SPEC_TABLES.XLS, Paper Forms.	Design Documentation, Data Dictionary, Fire Service Casualty Module, Block J2, Story of Injury, Page 189.	The Injury Relationship to Structure field (in block J2) was missing from the data dictionary and was not represented on the Fire Service Casualty paper form.	Added the Injury Relationship to Structure field to the data dictionary and the Fire Service Casualty paper form.
119	05/14/99	Changes Table (This document)	Change 114	The Correction Description for Change 114 incorrectly referred to resizing the Name Prefix field from 3 to 4 when it should have said "Name Suffix"	Corrected Change 114 to accurately refer to the Name Suffix field (see change above)
120	05/14/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, HazMat Module, Relational Edit #103, Page 103	Relational edit 103 was incorrect since the area evacuated can easily be larger than the area directly affected by the release.	Deleted Relational Edit 103
121	06/17/99	SPEC_TABLES.XLS.	Spec_Tables.xls only, HazMat Module, Data Dictionary, Container Type	Code "00 Container type, other" is incorrectly displayed in the Excel Spreadsheet as "0 Container type, other". The code should have 2 zeros instead of 1.	Changed HazMat Container Type, Other code number from '0' to '00' in the spreadsheet.
122	06/24/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Hazardous Materials Transaction (1700), Field 8, Page 148.	Due to the restructuring of this element described in change #117, change #99 has been rescinded.	Removed the comment added in change #99 that the Released From field was "MC (max of 2)".
123	06/24/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, Page 105.	Due to the restructuring of this element described in changes #117 and #122, relational edit #162 is no longer required.	Deleted relational edit 162.

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124	06/24/99	Design Documentation, SPEC_TABLES.XLS.	Note for system designers on HazMat Module "Released From" field and the Fire Service Casualty "Story Where Injury Occurred" (J2 Block) field.		NOTE TO DESIGNERS: Block J2 on the Fire Service Casualty module and Block F1 on the HazMat module use the same codes. "Below Grade" values are entered as negative values in the "story of" fields. See the codes for the HazMat "Released From" field in the Data Dictionary and change #117 above.
125	06/25/99	Design Documentation, SPEC_TABLES.XLS, Paper Forms.	Data Dictionary Spreadsheet, Fire Service Casualty, Fire Service Casualty Paper Form page 2, and Fire Service Casualty Paper Form in Design Documentation. Block K1, Did Equipment Fail?	The documentation incorrectly listed codes "1" for Yes and "2" for No for this field when the system was expecting "Y" and "N" respectively.	Changed the codes for K1 Block on the Fire Service Casualty form in the system documentation form "1" and "2" to "Y" and "N".
126	06/30/99	Design Documentation, SPEC_TABLES.XLS, Paper Forms.	Data Dictionary Spreadsheet, EMS Module, Block I, Procedures Used.	The code descriptor for Procedures Used code "14 Intubation (ETGA)" had a typo. The T & G in "ETGA" was incorrectly transposed and should have been "EGTA" instead.	Changed the code description for Block I, Procedures Used code 14 to "Intubation (EGTA)". Modified the paper EMS form to reflect this change on the checkbox for code 14.
127	08/10/99	Design Documentation.	Conversion Table, Civilian Fire Casualty Module, Table 3-58, Location at Ignition, page 273.	The entry for the 4.1 code 1 line has an incorrect value of "5" under the "M1" column. It should be "4".	Corrected the value from "5" to "4".
128	08/10/99	Design Documentation.	Conversion Table, p. 271, Table 3-52, Detector Performance Conversion.	Block L4, Detector Operation = 3, Failed to Operate. Both values should convert to 2, Operated instead of a 3.	Changed both values to "2, operated".

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129	08/10/99	Design Documentation.	Conversion Table, p. 271, Table 3-52, Detector Performance Conversion.	NFIRS-3, Block L4, Detector Operation = "2, Operated" should have converted to "3, Failed to operate" instead of 2.	Changed value to "3, Failed to operate".
130	08/10/99	Design Documentation.	Conversion Table, p. 244, Table 3-39, Type Situation Found Conversion.	The conversion did not carry mobile home fires into version 5.0 in a way that could be distinguished for analysis. A new conversion rule was needed.	Added the following rule: NFIRS-1, TSF=11(structure fire), MPT=17(mobile home, mobile building), FPU 410-419(1-and-2 family dwelling) Converts to: NFIRS-1, Block C, Incident Type = 121, Fire in mobile home used as a fixed residence and NFIRS-3, Block I1, Structure Type = 2, Portable/mobile structure.
131	08/10/99	Design Documentation.	Conversion Table, p. 244, Table 3-39, Type Situation Found Conversion.	The conversion did not carry mobile home fires into version 5.0 in a way that could be distinguished for analysis. A new conversion rule was needed.	Added the following rule: NFIRS-1, TSF=11(structure fire), MPT=17(mobile home, mobile building), FPU Not 410-419 (Not 1-and-2 family dwelling) Converts to: NFIRS-1, Block C, IT=123, Fire in a portable building.
132	08/10/99	Design Documentation.	Conversion Table, p. 244, Table 3-39, Type Situation Found Conversion.	The conversion did not carry mobile home fires into version 5.0 in a way that could be distinguished for analysis. A new conversion rule was needed.	Added the following rule: NFIRS-1, TSF=11(structure fire), MPT=14, 15, or 16(Motor home; Travel trailer; Camping trailer), FPU 410-419(1-and-2 family dwelling) Converts to: NFIRS-1, Block C, IT=122, Fire in a mobile home, camper, or recreational vehicle when used as a structure.

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133	08/10/99	Design Documentation.	Conversion table, page 303, Table 3-103, MPT/Transport Type Conversion.	NFIRS-2, Block H2, MPT= "57, Military non-fixed wing aircraft" should have converted to MPT= "50, Air transport vehicles, other" instead of code 57.	changed MPT conversion value to 50 from 57.
134	08/10/99	Design Documentation.	Conversion table, page 248, Table 3-41, Fixed Property Use Conversion.	4.1 FPU 322 should have converted to code 459 (Residential board and care) instead of code 419.	Changed 5.0 "convert to" value from 419 to 459.
135	08/10/99	Design Documentation.	Conversion table, page 248, Table 3-41, Fixed Property Use Conversion.	4.1 code 362 Should have converted to Property Use 321 instead of 323.	Changed 5.0 "convert to" value from 323 to 321.
136	08/10/99	Design Documentation.	Conversion table, p. 261, Table 3-44(1/2), Ignition Factor Conversion.	4.1 Ignition Factor 36 (Children playing) should have converted to Ignition factor 19 and Human Factors Contributing to Ignition "7, Age was a factor" and Age = 9 instead of "7 Unattended or unsupervised person.	Changed to "7, Age was a factor" and Age = 9.
137	08/10/99	Design Documentation.	Conversion table, p. 269, Table 3-51, Form of Material Ignited Conversion.	Item First Ignited Code 27 convert to code should have been code 26, "Household utensils, included are kitchen and cleaning utensils".	Changed 5.0 "convert to" value from 27 to 26.
138	08/10/99	Design Documentation.	Conversion table, p. 267, Table 3-49, Form of Heat of Ignition Conversion.	Form of Heat of Ignition code 47 should have converted to Heat Source code 80 not code 85 (which doesn't exist).	Changed 5.0 Heat Source "convert to" value from 85 to 80.
139	08/18/99	Design Documentation, SPEC_TABLES.XLS.	Data Dictionary, Basic Module, Block K1/K2, Name Suffix field, Page 164.	The codes for Junior and Senior (JR and SR) were listed in the data dictionary as lower case. They should be upper case codes.	Changed Jr and Sr to JR and SR in the data dictionary for Name Suffix.

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140	08/18/99	Design Documentation, SPEC_TABLES.XLS.	Relational Edit 16, Page 99.	Incident Type codes 721 should have been allowed actions taken codes in the 90s series.	Relaxed the relational edit to remove the restriction on entering actions taken codes in the 90s series.
141	08/18/99	Design Documentation, Paper Forms.	Paper Forms, Fire Service Casualty Module, Block G2, Physical Condition Just Prior to Injury.	Code 3, "Ill or Injured", should have been listed on the form as code 4.	Changed code 3 to code 4 on the form.
142	09/08/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edit 13, Page 99.	The Incident Type rule for allowing the EMS module was too restrictive and did not allow for Extrications and Rescues (Incident Types 351-381).	Changed Relational Edit 13 to: "If used, the EMS module is only allowed for Incident Types: 100-243, 311, 321-323, 351-381, 400-431, 900".
143	09/09/99	Design Documentation.	Conversion table, p. 267, Table 3-49, Form of Heat of Ignition Conversion.	Form of Heat of Ignition code 32 should have converted to Heat Source code 62 not code 32 (which doesn't exist in NFIRS 5).	Changed 5.0 Heat Source "convert to" value from 32 to 62.

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The following changes were applied in the 2000.1 cycle of the design specification released in January 2000.					
144	09/24/99	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edits, Fire Module, D3a block, Confined to Origin, page 73.	The Confined to Origin edit incorrectly lists a valid entry as "Y or N". This conflicts with the rest of the edit which describes the field as coded and a subset of the "Flame Spread" field. The valid entry should be "Valid Code".	Change the valid entry for the Confined to Origin field to "Valid Code". This field is a subset of the Flame Spread field codes and should always be "1" if true. Also see change #29 and Flame Spread in the Data Dictionary. NOTE: THIS CHANGE CORRECTS AN APPARENT CONFLICT WITHIN THE EDIT.
145	10/06/99	Design Documentation.	Conversion table, p. 268 - 269, Table 3-50, Type of Material Ignited Conversion.	Type of Material Ignited codes 40-49 should all have converted to Type of Material Ignited code 41 not code 40 (which doesn't exist in NFIRS 5).	Changed Type of Material Ignited conversion for NFIRS 4.1 codes 40-49 to code 41 not code 40 (which doesn't exist in NFIRS 5). NOTE: THIS CRITICAL CHANGE WAS APPLIED TO THE FEDERAL CONVERSION TOOL.
146	11/05/99	Design Documentation.	Conversion table, p. 285, Table 3-76, Where Injury/Accident Occurred Conversion.	For codes 60-69 the conversion table specifies in the conversion a VEHICLE TYPE of "U UNDETERMINED". However, code "U" is not listed in the data dictionary as a "conversion only" code.	Added the 4.1 conversion only code: "U Vehicle type undetermined (conversion only)" to the Data Dictionary.
147	11/05/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Incident Flat File Transfer Format, Incident Personnel Transaction (Record Type 1810), Element #10, Personnel ID, page 151.	Record Type 1810 incorrectly specified the Personnel ID field as numeric when it should be type X. This conflicted with other record types capturing the same field.	Changed the Personnel ID field from Type "N" to Type "X".

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148	11/05/99	Design Documentation, SPEC_TABLES.XLS.	Relational Edit 97, Page 103.	Relational edit 97 was incorrect and did not take into account the entry of negative numbers in the "Story of Injury" field for injuries that occurred below grade in a structure.	Changed relational edit 97 to: "If injured Inside/On Structure then Story of Injury must be entered".
149	11/18/99	Design Documentation.	Conversion table, p. 267, Table 3-49, Form of Heat of Ignition Conversion.	Form of Heat of Ignition code 62 should have converted to Heat Source code 53 not code 52 (which doesn't exist).	Changed 5.0 Heat Source "convert to" value from 52 to 53. NOTE: THIS CRITICAL CHANGE WAS APPLIED TO THE FEDERAL CONVERSION TOOL.
150	11/18/99	Design Documentation.	Conversion table, p. 265, Table 3-48, Equipment Involved in Ignition Conversion.	4.1 Equipment Involved in Ignition code 32 should have converted to 5.0 Equipment Involved in Ignition code 656 not code 657 (which doesn't exist).	Changed 5.0 Equipment Involved in Ignition "convert to" value from 657 to 656. NOTE: THIS CRITICAL CHANGE WAS APPLIED TO THE FEDERAL CONVERSION TOOL.
151	12/14/99	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Relational Edits, Page 105.	When the "Directions" address type is used in the Location Block on the Basic Module, the "Street Name" field should not be required. There was no system edit in the design documentaion that reflected this rule.	Added relational edit 161 which states: "If the "Directions" location type is checked then the Street Name field is not required and the "Cross Street or Directions" field is required".
152	01/03/00	Design Documentation, SPEC_TABLES.XLS.	Design Documentation, Data Dictionary, Basic Module, Street Type, Page 157.	Several common Street Types were not listed in the data dictionary.	Expanded the Street Type codes to include an additional 17 common street types.
153	01/03/00	Design Documentation.	Design Documentation, Structure Fire Block Flow Diagrams, Pages 48-49.	A few block flow instructions were missing from the Structure Fire diagrams.	Made several minor corrections and additions to the Structure Fire Block Flow diagrams.
154	01/03/00	Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Page 133.	A discussion of User Defined Transaction Types was missing from the design documentation.	Added a discussion of how to create User Defined Transaction Types to the Flat File Transfer Format section in the Design Documentation.

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			The 154 changes above are reflected in the 2000.1 Design Document that was released in January 2000.		
			The following changes will be applied in the 2000.2 cycle of the Design Specification to be released in July 2000.		
155	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edits, Wildland Fire Module, B block, Section, page 88.	The field type for Section in the edits was type X and conflicted with the flat file transaction layout where it is listed as type N. It should have been type N in the edit description.	Changed the Section field type in the edits from type X to type N.
156	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 273, Table 3-58, Location at Ignition Conversion.	The note for the conversion of M3 and M4 asterisked fields was confusing and needed clarification.	Modified the note to explain that the Level of Fire Origin conversion table is used to determine the Story at Start and Story Where Injury Occurred. When the 4.1 Location at Ignition is 1 the Level of Fire Origin conversion table is used to determine the Story at Start and Story Where Injury Occurred. When the Location At Ignition is 2 or 3, the Level of Fire Origin table is used to determine only the Story at Start.
157	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 286, Table 3-77, Fire Service Casualty Module, Cause of Fire Fighter Injury	Nine codes (201-209 for Cause of Fire Fighter Injury were converting the Object Involved in Injury to code 31 when they should have converted to code 30. Code 213 should have converted to Object Involved in Injury to code 42 instead of 31.	Modified the converted NFIRS 5.0 Object Involved in Injury codes for 4.1 Cause of Fire Fighter Injury codes 201-209 to code 30 from 31. Modified converted Object Involved in Injury code for 4.1 Cause of Fire Fighter Injury code 201-213 to code 42 from 31. CRITICAL CHANGE WAS APPLIED.

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158	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 300, Table 3-97, HazMat Release Factor Conversion.	4.1 Release Factor 34 was incorrectly converting to 5.0 Release Factor 24 instead of code 34 as it should have.	Changed the 5.0 Release Factor 34 conversion value to 34 from 24. CRITICAL CHANGE WAS APPLIED.
159	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 303, Equipment Involved in Release.	The Equipment Involved in Release conversion table was missing from the conversion document. Except for 4.1 Release codes 01-09 and 91-97 all Release Factor codes convert the same as the table for Equipment Involved in Ignition on the Fire Module.	Added the missing Equipment Involved in Release table to the Excel Conversion Spreadsheets and the Design Documentation. CRITICAL CHANGE WAS APPLIED.
160	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 296, Table 3-94, HazMat Module, Special Hazmat Response Taken.	It was not made clear in the note that the conversion of this field is to Actions Taken fields 2 and 3 on the Basic module and the Special Hazmat Actions Taken are left blank for this conversion.	Changed the note to: "Note: Up to 2 Actions Taken are reported on the basic module in the Actions Taken fields 2 and 3. No conversion is made to Special Hazmat Actions Taken on the HazMat module."
161	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, HazHat Mobile Property Transaction (1720), DOT/ICC#(VIN) (field 14), Page 148.	The DOT/ICC Number field was incorrectly labeled "Mobile property VIN" in the 1720 transaction.	Changed the field name from "Mobile Property VIN" to "DOT/ICC Number".
162	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edits 14, 15, 20, Page 97.	Action Taken 00 should be a valid choice for these edits.	Add 00 to valid actions taken for relational edits 14, 15, 20.
163	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 39, Page 98.	Incident Type 100 does not require the Fire Module be completed.	Modified the edit to specify that the Fire module is not required for Incident Type 100.

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164	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 74, Page 100.	If Presence of Detectors is YES, then L2, L3 and L4 are required. The rule should also state that if left blank, L2, L3 and L4 are not available fields.	Modified Relational edit 74 to also include that if the Presence of Detectors field is not completed, the entry of L2, L3 and L4 fields must not be allowed.
165	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 54, Page 99.	The edit did not reference the entry of "UU" in these fields. This revised edit also applies to all other "Factors Contributing" type fields in NFIRS 5.0 except for all of the "Human Factors Contributing To" fields in the system.	Modified the edit to specify that If the First "Factor Contributing to" field entry is None ("NN) or Unknown (UU) THEN an entry in the second (or third) "Factor Contributing to" field is not allowed unless it is also "NN" or "UU". "NN" and "UU" is allowed as an entry in the second/third field if the First field has an entry other than "NN".
166	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edits for Basic, Fire, Civilian Casualty, Fire Service Casualty, EMS, HazMat, Wildland Fire, Apparatus, Arson, Pages 67-96.	Many field's sizes in the edits did not account for the plus one code and did not match the field sizes in the flat file transfer format, which were correct.	Corrected numerous field size inconsistencies in the edits where the plus one digit was not accounted for in the size (see Spec Tables MS Excel file).
167	06/27/00	Design Documentation.	Design Documentation, Edits for EMS, Safety Equipment Undetermined Line, Page 84.	The 6, J D Undetermined edit line following the Safety Equipment edit does not belong and should have been deleted.	Deleted the Undetermined line following the Safety Equipment line in the edits on page 84 from the design document. This error did not affect the Excel Spec Tables.
168	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 260, Table 3-43, Fixed Property Use Conversion.	4.1 Property Use code 962 should have converted to 962 and not to 963 as listed in the table.	Changed the 5.0 "convert to" code from 963 to 962. The code is now 962 in both NFIRS 4.1 and in 5.0.
169	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 263, Table 3-46, Mobile Property Type Conversion.	4.1 Mobile Property Type code 79 was incorrectly converting to code 70 and should instead have converted to code 00 in 5.0.	Changed the 5.0 "convert to" code from 70 to 00.

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170	06/27/00	SPEC-TABLE.XLS, Design Documentation, QRG.	Design Documentation, Data Dictionary, Fire Module, Reports Attached Field, Page 178.	The Local Use, Reports Attached field and codes were missing from the Data Dictionary	Added the Reports Attached local use field to the Data Dictionary after the Mobile Property Make field..
171	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edit Requirements, Basic Module, H2 block, Detector Alerted Occupants, page 70.	The comment describing "NNL" as the field length was incorrect and "Valid Code was missing in the "Acceptable Conditions" column.	Modified the comment to reflect "NL" as the length and added "Valid Code" to the Acceptable Conditions column.
172	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 10, Page 97.	Relational edit #10 did not specify that Block H2, Detector Alerted Occupants, was required for all confined fires and for incident type 100.	Modified the relational edit to read: "If Incident Type = 100, 113-118 then completion of the fire form is optional, not required and Block H2, Detector Alerted Occupants, is required".
173	06/27/00	Design Documentation. Conversion Excel Spreadsheets	Conversion table, page 298, Area of Release note.	Area of Release is not a field in NFIRS 5.0. The note does not apply.	Deleted the Area Of Release conversion note since it does not apply and no conversion is done.
174	06/27/00	Design Documentation.	System Module Overview, Basic Module, page 12.	The example referring to the small grass fire as only requiring the Basic Module is incorrect.	Deleted the bulleted example "Small Grass Fire".
175	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Transactions 1120,1130,1200,1300,1720,1730,2000,2010,2020, Record Type, Pages 139-154.	The Referenced Transactions all had incorrect lengths for the Transaction Type field. All should have been a length of 5.	Changed all the referenced fields to a length of 5.
176	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Fire Transaction (1100), Age of Person (field 23), Page 138.	The Data Type of "Following" was incorrect. The correct type is a floating point (F) data type.	Changed Data Type from "Following" to "F".

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177	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Fire Transaction (1100), Sex of Person (field 24), Page 138.	The Data Type of "A" was incorrect. The correct type is a "C" data type.	Changed Data Type from "A" to "C".
178	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edit Requirements, Wildland Fire Module, I3 block, Total Acres Burned, page 90.	The length of the Acres Burned field was incorrect at 11. It should have been 9.1	Modified the length of the Wildland module Total Acres Burned field to 9.1 in the Edit Requirements
179	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Fire Service Casualty Transaction (1500), FD ID Number (field 9), Page 144.	The Data Type of "A" was incorrect. The correct type is a "X" data type.	Changed Data Type from "A" to "X".
180	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 162, Page 104.	A new system-wide relational edit was needed that specifies that if a date field is completed, the associated times fields must also be entered.	Added relational edit 162 which states: "For all NFIRS 5.0 date and time fields, if the date field is completed, the associated hours and minutes fields must also be entered and cannot be left blank".
181	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 163, Page 104.	A new relational edit was needed to specify that when Mobile Property is entered, equipment cannot also entered (be involved in the ignition) unless the mobile property burned but was not itself involved in in the ignition .	Added relational edit 163 which states: "If Fire Module Block H1 "Mobile Property Involved" is not equal to 1, None or Blank AND Block F1 Equipment Involved in Ignition is not equal to Blank or None, a error is generated because there cannot be BOTH Mobile Property Involved and Equipment Involved in the ignition of the fire".

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182	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edits 50 and 73, Page 100.	Relational edits 50 & 73 incorrectly specified <= 70. It should have been < 70 since 70 is the beginning of a new code decade.	The Relational Edits were corrected to remove the (=) Equal to. The correct Relational Edit 73 is: "K2 - Type of Material Contributing to Flame Spread is required only if Item Contributing Code is 00 or < 70." Relational Edit 50 is the same except the fields involved in the edit are Item First Ignited and Type of Material Contributing to Ignition.
183	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 164, Page 104.	A new relational edit was needed to specify that an Action Taken of 00 is always a valid entry.	A relational edit was added that states: "00 Other Action Taken" is always a valid entry. This supercedes any limits on the entry of Actions Taken defined in relational edits 14-20.
184	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Paper Forms, Page 29, 32.	The Paper Forms did not reflect the latest version. In particular the Fire and the Fire Service Casualty Forms in the Design Documentation were dated 6/9/98.	Updated the Paper Forms in the Design Documentation
185	06/27/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, EMS (1600), Note, Page 146.	The first note at the bottom of page 146 incorrectly refers to field #12. It should refer to field #18, Body Sites of Injury instead.	Changed the reference to field #12 to field #18 in the first note at the bottom of the page.
186	06/28/00	SPEC-TABLE.XLS, Design Documentation, QRG.	Design Documentation, Data Dictionary, Fire , Area of Fire Origin, page 167. QRG page 27	Code 57, Chimney, is needed as a conversion only code.	Added Area of Fire Origin code "57 Chimney (conversion only)" for the purposes of converting Chimney fires from version 4.1 to 5.0.

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187	06/29/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 75, Page 100.	Relational edit 75 did not clearly specify that the L5 block on the Structure Fire form may only be completed when the detector operated.	Added the following to relational edit 75: "If Detector Operation not = 2 THEN Detector Effectiveness entry is not allowed.".
188	06/30/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Relational Edit 76, Page 100.	Relational edit 76 did not clearly specify that the L6 block on the Structure Fire form may only be completed when the detector failed to operate.	Added the following to relational edit 76: "If Detector Operation not = 3 THEN Detector Failure Reason entry is not allowed.".
189	07/05/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Wildland Fire Transaction (1300), Horizontal Distance from ROW, (field 56), Page 142.	The field length was incorrect at 3 and inconsistent with the rest of the documentation.	Changed the field length to 2 from 3.
190	07/05/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Edit Requirements, Wildland Fire Module, B Block, Township, page 88.	The field length was incorrect at 4 and inconsistent with the rest of the documentation.	Changed the edit length to 2 from 4.
191	07/05/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Arson Transaction (1900), Suspected Motivation Factors, (field 10), Page 150.	The maximum number of entries should have been 3 and not 4 for this multiple choice field.	Changed the maximum number of entries to 3 from 4.
192	07/05/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Arson Transaction (1900), Apparent Group involvement, (field 11), Page 150.	The maximum number of entries should have been 3 and not 4 for this multiple choice field.	Changed the maximum number of entries to 3 from 4.

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193	07/06/00	SPEC-TABLE.XLS, Design Documentation.	Design Documentation, Incident Flat File Transfer Format, Arson Transaction (1900), Other investigative Information, (field 17), Page 150.	The maximum number of entries should have been 8 and not 4 for this multiple choice field.	Changed the maximum number of entries to 8 from 4.